

# Interactive Virtual Environments

## Matchblox

### Group 7

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# Overview

- Introduction
- Hardware
- Software
- Research
- Evaluation

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# Introduction

- Practical assignment
- Research
- Implementation

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- Practical assignment
- Research
  - Stereo vision
  - Head-tracking
  - Feedback
  - 3 dof
- Implementation

# Introduction

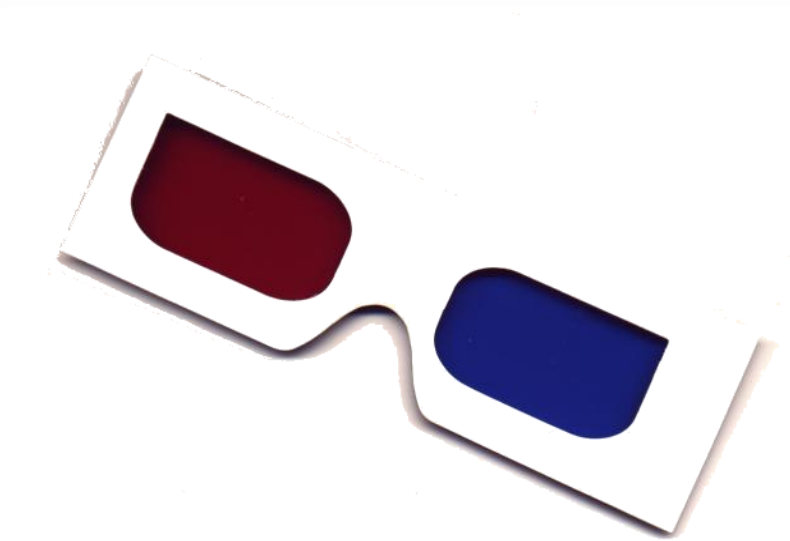
- Practical assignment
- Research
- **Implementation**

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# Hardware

- Stereo Glasses
- Wii-mote (x2)
- IR Leds





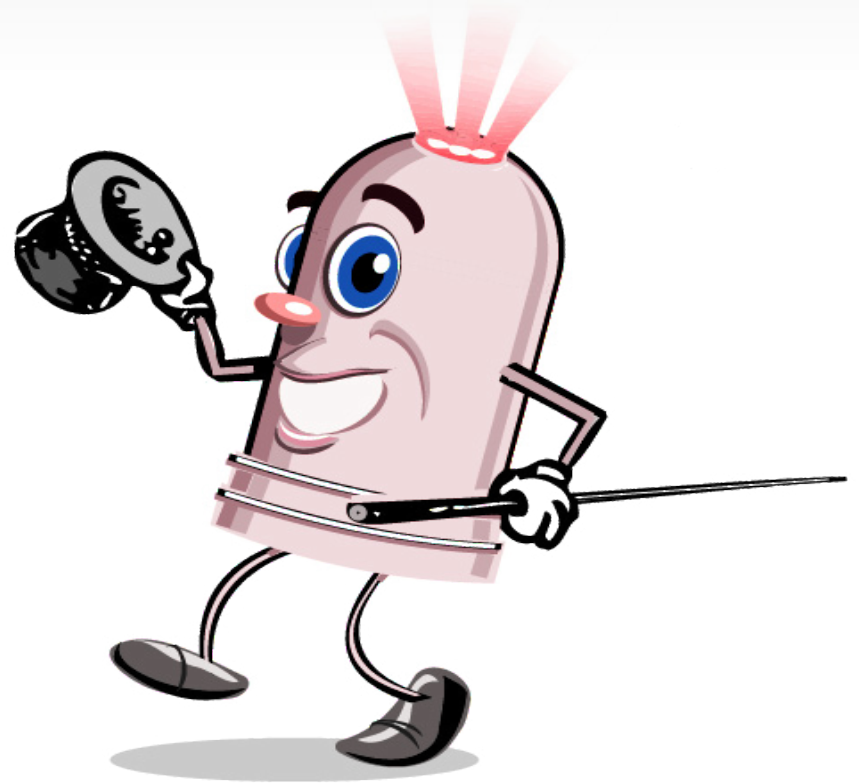
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# Software

- Implementation
- Demos
- Final Playfull application

# Software

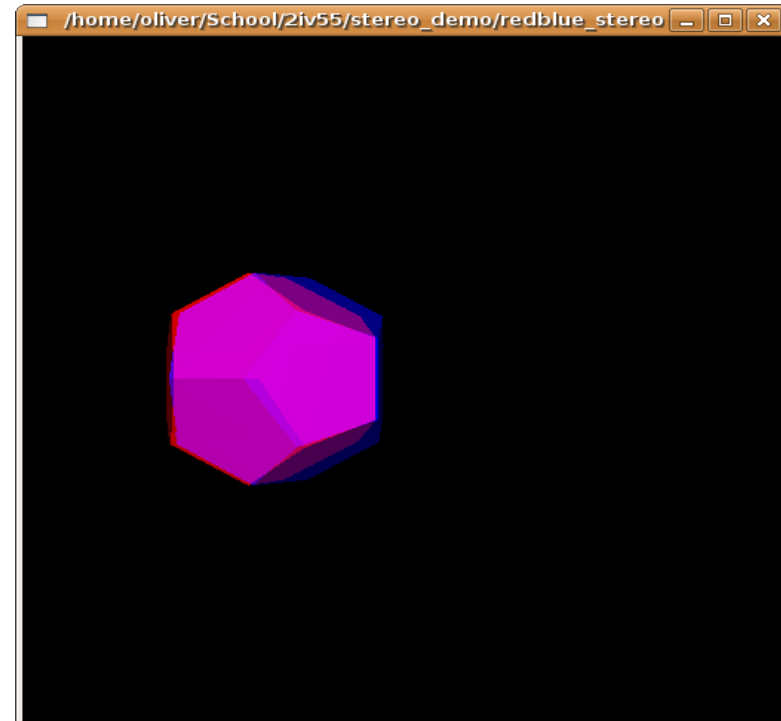
- Implementation
  - C/C++, OpenGL and PostgreSQL
- Demos
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# Software

- Implementation
- Demos
  - Database access and menu
  - Stereo vision
  - Head-tracking
  - Stereo vision + Head-tracking
- Final Playfull application

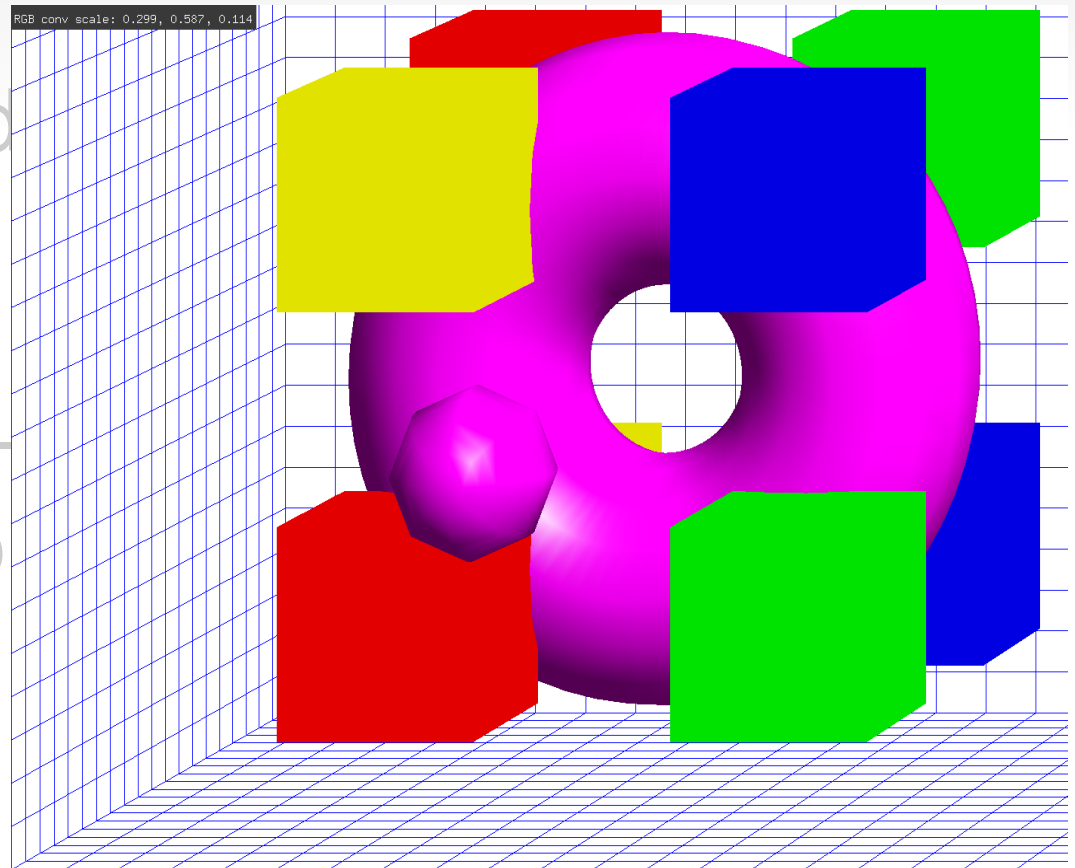
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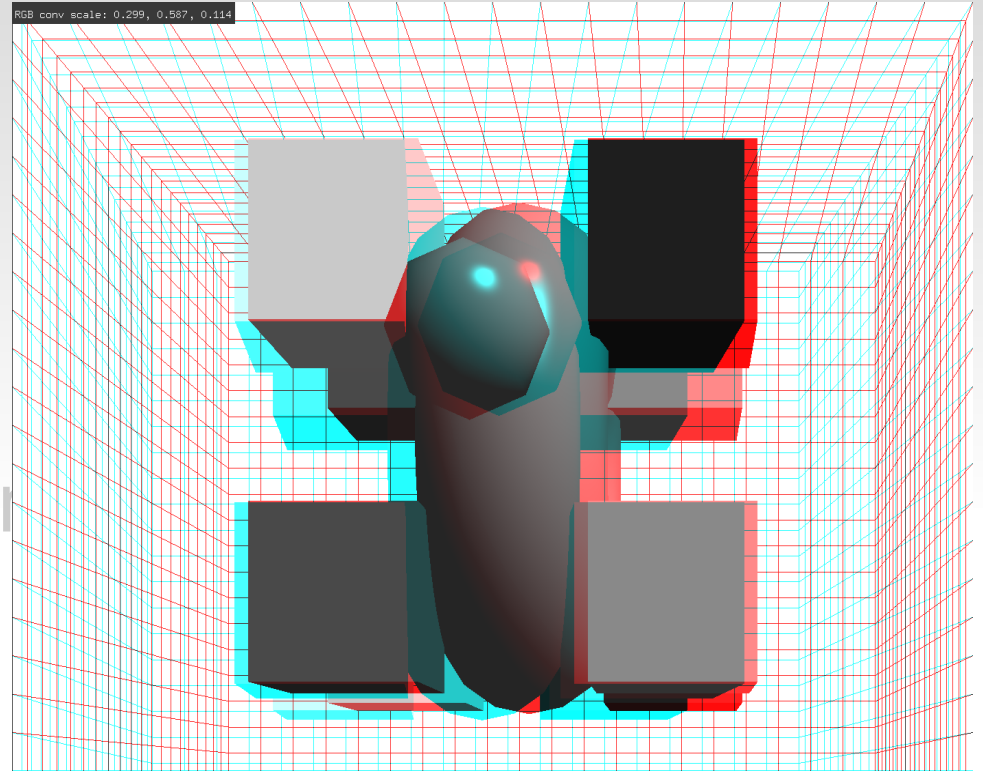
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# Research

- Test subject
- Data mining
- Conclusions?

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- **Data mining**
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- **Conclusions?**

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# Evaluation

- Fun project
- New methods
- TU/e 'research' feel



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Demonstration!

Questions?